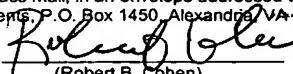




1FW

2651

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
Dated: May 19, 2006
Signature: 
(Robert B. Cohen)

Docket No.: SONYJP 3.3-1080
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kajiwara et al.

Application No.: 10/518,677

Group Art Unit: 2651

Filed: December 17, 2004

Examiner: A. L. Sniezak

For: SIGNAL PROCESSING DEVICE AND
SIGNAL PROCESSING METHOD

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

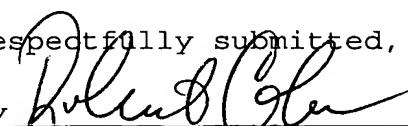
CERTIFICATION PURSUANT TO 37 C.F.R. § 1.97(e) (1)

Dear Sir:

Pursuant to 37 C.F.R. § 1.97(e) (1), undersigned counsel hereby certifies that each item of information contained in the accompanying Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application to the above-referenced patent application not more than three months prior to the filing of said statement.

Dated: May 19, 2006

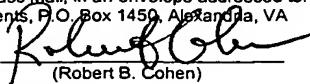
Respectfully submitted,

By 
Robert B. Cohen

Registration No.: 32,768
LERNER, DAVID, LITTBENBERG,
KRUMHOLZ & MENTLIK, LLP
600 South Avenue West
Westfield, New Jersey 07090
(908) 654-5000
Attorney for Applicant

LD-456

659128_1.DOC

42
O I P E
MAY 22 2006
U. S. PATENT AND TRADEMARK OFFICE
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
Dated: May 19, 2006
Signature: 
(Robert B. Cohen)

Docket No.: SONYJP 3.3-1080
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kajiwara et al.

Application No.: 10/518,677

Group Art Unit: 2651

Filed: December 17, 2004

Examiner: A. L. Snizek

For: SIGNAL PROCESSING DEVICE AND
SIGNAL PROCESSING METHOD

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

It is respectfully requested that the references listed on the enclosed form be made of record and considered with respect to the above-referenced U.S. patent application. The cited references were listed on a search report issued in connection with applicant's corresponding European application. A copy of the search report and a copy of each non-U.S. reference are enclosed. Submission of the present Information Disclosure Statement should not be taken as an admission that the cited references are legally available prior art or that the same are pertinent or material.

In the event that any fee is due in connection with the present Information Disclosure Statement, the Commissioner is hereby authorized to charge the same to our Deposit Account No. 12-1095.

Dated: May 19, 2006

Respectfully submitted,

By Robert B. Cohen
Robert B. Cohen

Registration No.: 32,768
LERNER, DAVID, LITTENBERG,
KRUML HOLZ & MENTLIK, LLP
600 South Avenue West
Westfield, New Jersey 07090
(908) 654-5000

Attorney for Applicant

LD-458\



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/518,677-Conf. #2677
				Filing Date	December 17, 2004
				First Named Inventor	Yoshiyuki Kajiwara
				Art Unit	2651
				Examiner Name	A. L. Sniezek
Sheet	1	of	1	Attorney Docket Number	SONYJP 3.3-1080

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AA*	US-2003/0028820-A1	02-06-2003	Takashi et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date ¹ MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
BA	WO-02/43340-A2	05-30-2002	Broadcom Corporation		✓
BB	WO-02 103696-A2	12-27-2002	Koninklijke Philips Electronics N.V.		✓
BC	WO-03/003585-A1	01-09-2003	Infineon Technologies North America Corp.		✓

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	CA	"Detection of Triplex-Forming RNA Oligonucleotides by Triplex Blotting", BioTechniques, Vol. 16, No. 6, June, 1994, pp. 1070-1072, 1074.			✓
	CB	ZI-NING WU ET AL., "A MMSE Interpolated Timing Recovery Scheme for the Magnetic Recording Channel", IEEE International Conference, June 8-12, 1997, Vol. 3, pp. 1625-1629.			✓
	CC	STENGER ET AL., "Nonlinear Acoustic Echo Cancellation with 2nd Order Adaptive Volterra Filters", IEEE International Conference on Acoustics, Speech & Signal Processing, Vol. 2, March 15, 1999, pp.877-880.			✓
	CD	KUCH ET AL., "Nonlinear Line Echo Cancellation Using a Simplified Second Order Volterra Filter", 2002 IEEE International Conference on Acoustics, May 13, 2002, Vol. 4, pp. II-1117-II-1120.			✓
	CE	SPURBECK, M. ET AL., "Interpolated Timing Recovery for Hard Disk Drive Read Channels", 1997 IEEE International Conference, June 8-12, 1997, Vol. 3, pp. 1618-1624.			✓
	CF	PROAKIS, JOHN G., "Digital Communications", 2001, pp. 678-680.			✓

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

659125_1.DOC

Examiner Signature	Date Considered
--------------------	-----------------